

# Claims

- [c1] A metering blade suspension system, comprising:
  - a metering blade assembly; and
  - at least one leaf spring connected to the assembly.
- [c2] The suspension system of claim 1, wherein the leaf spring comprises a support arm for the blade assembly.
- [c3] The suspension system of claim 1, wherein the leaf spring comprises an electrically conductive material.
- [c4] The suspension system of claim 3, wherein the electrically conductive material comprises metal.
- [c5] The suspension system of claim 1, wherein said at least one leaf spring comprises a pair of leaf springs.
- [c6] The suspension system of claim 5, wherein each one of the pair of leaf springs are disposed at opposite ends of the assembly.
- [c7] The suspension system of claim 1, wherein the leaf spring controls at least one of an angle, a position and a load of the metering blade.
- [c8] The suspension system of claim 1, wherein the metering

blade assembly pivots on the at least one leaf spring.

- [c9] The suspension system of claim 1, wherein the at least one leaf spring comprises an electrical connection.
- [c10] The suspension system of claim 1, wherein the at least one leaf spring comprises a grounding path for bleeding static charge from the metering blade assembly.
- [c11] A drum maintenance unit, comprising the metering blade suspension system of claim 1.
- [c12] The drum maintenance unit of claim 10, wherein the at least one leaf spring secures the blade assembly in the drum maintenance unit.
- [c13] A removable cassette for an imaging apparatus, comprising the drum maintenance unit of claim 10.
- [c14] A method of supporting a metering blade assembly in a drum maintenance unit, comprising connecting at least one leaf spring to the metering blade assembly.
- [c15] The method of claim 14, wherein the at least one leaf spring comprises a pair of leaf springs.
- [c16] The method of claim 15, wherein each one of the pair of leaf springs are disposed at opposite ends of the assembly.

- [c17] The method of claim 14, wherein the at least one leaf spring controls at least one of an angle, a position and a load of the metering blade.
- [c18] The method of claim 14, wherein the metering blade assembly pivots on the at least one leaf spring.
- [c19] The method of claim 14, wherein the at least one leaf spring comprises an electrical connection.
- [c20] The method of claim 14, wherein the at least one leaf spring comprises a grounding path for bleeding static charge from the metering blade assembly.